

## ABSTRACT

A device for locating bowling ball gripping apertures with respect to a bowling ball weight block angle inherent to that particular bowling ball and the track of a particular bowler. One embodiment of the device includes a  
5 curved base portion adapted to substantially rest on a curved surface of a bowling ball, the perimeter of the base portion including degree indicators and the center of the base portion including a hole, at least four curved angle indicator arms adapted to substantially rest on a curved surface of the bowling ball, the angle indicator arms including length measurement indicators, the  
10 angle indicator arms connected with and extending from the curved base portion, and at least two of the angle indicator arms are adapted to rotate about the center of the curved base portion. Methods for both diagnostically measuring the location of the gripping holes on a drilled bowling ball relative to the block angle and pin distance to the positive access point and for laying  
15 out the placement of gripping holes on an undrilled bowling ball relative to a desired weight block angle and pin to positive access point distance for a particular bowler's track. A device for both measuring and duplicating the thumb hole angle on drilled and undrilled bowling balls, respectively.